

Y201 Combustible Gas Detector Manual

※ Before use of this product, please read the instruction manual carefully.

General Instructions

Yeezou 201 combustible gas detector (hereinafter referred to as “detector”) has a high-performance semiconductor gas sensor with excellent sensitivity, used for detection of leaking combustible gases such as natural gas or propane in households, factories, hotels, apartments, and other areas where gas leak localization is desired.

The detector is powered by 3 AAA batteries (not included). The hand-held portable design allows you to check for gas leaks almost anywhere. The visual LED and audible alarm notify user of presence and relative concentration of combustible gases. The varying audible ticking rate and number of lit LEDs help a user determine the rate of gas leak. The quick response sensor bulb with varying sensitivity dial allows detection of leaks both large and small.

Important Notes

To avoid damaging the sensor’s molecular membrane from overpressure, never use test gas sources with directed high pressure (such as from a gas pressure nozzle) to do a gas leak test. We suggest turning on and off a lighter or gas stove to leave gas in the air, then subsequently moving the detector probe to the gas area to check functionality.

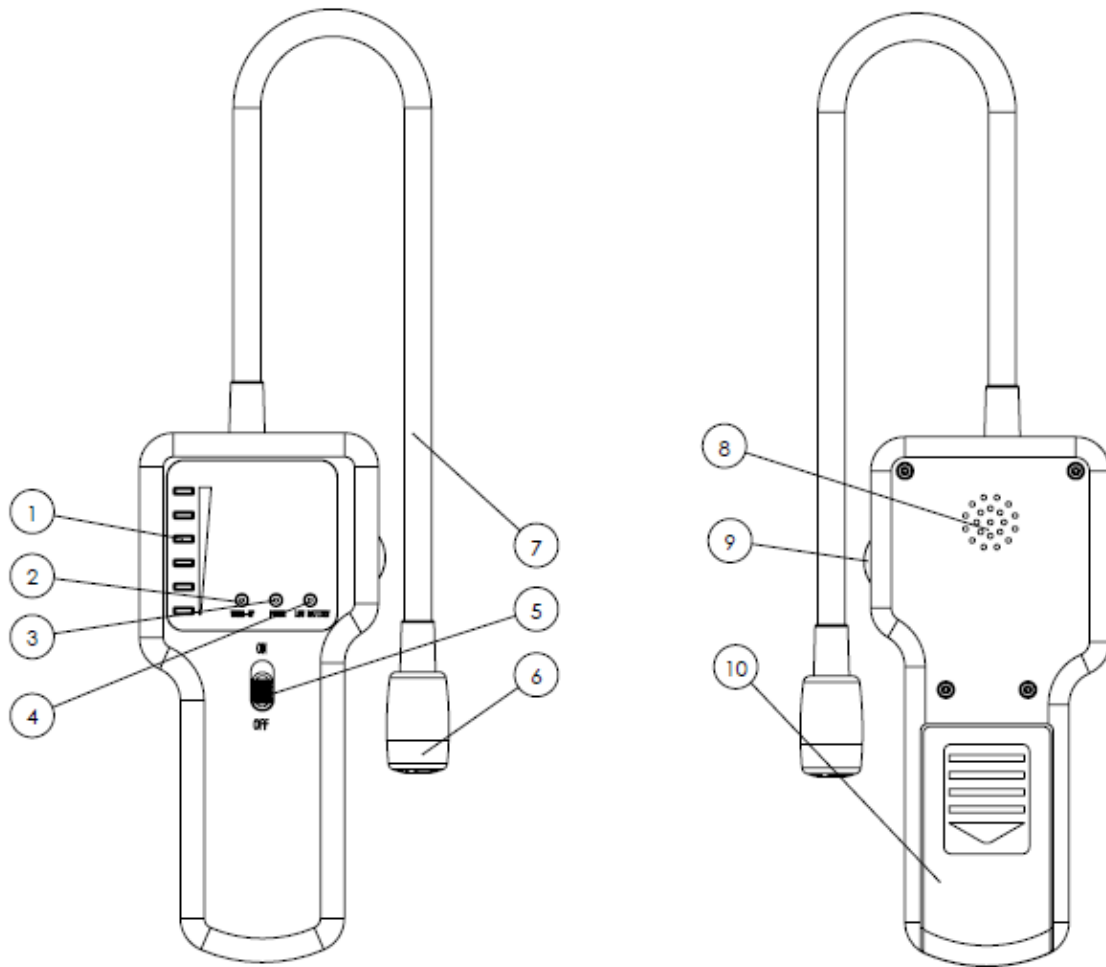
Test use of ultra-high concentration of combustible gas may reduce usability of the detector and also lead to a flammable hazard.

Technical Specifications

1. Resolution: 50 ppm
2. Alarm range: 10% - 40% LEL
3. Operating temperature: 0 - 55 °C
4. Relative humidity: ≤ 95% to avoid condensation
5. Warm up time: around 10 seconds
6. Response time: ≤ 2 seconds (10% LEL, Lower Explosive Limit)
7. Gas indication: Visual: 6 red LEDs,
Audible: variable speed ticking
8. Power: 3 x 1.5V AAA battery
9. Battery life: approximately 2 hours of continuous operation under normal usage conditions.
10. Weight: 8.9 oz (240 g) (without batteries)
11. Size: 18.5”x 2.76”x1.38” (47.0cm x 7.0cm x 3.5cm), housing material: plastic

Product Layout

1. LED gas level indicators
2. Warm-up indicator (yellow)
3. Power indicator (green)
4. Low battery indicator (red)
5. ON/OFF Power switch
6. Sensor tip and built-in sensor
7. Goose neck 12” (30 cm)
8. Speaker
9. Sensitivity adjustment dial
10. Battery cover



Operation

1. Warm up before use in a location with clean & fresh air. Switch the ON/OFF to power on the detector. The yellow **Warm-up Indicator** will be lit for approximately 10 seconds; please wait until light turns off before use. The green **Power Indicator** will remain on while device is powered.

Note: Each time the detector is turned on, the device will need to warm-up for 10 seconds prior to use.

2. After 10 seconds, the yellow **Warm-up Indicator** will turn off and detector is ready for use. Use the side dial to adjust the sensitivity until the first, bottom LED is at the threshold of lighting up and the high frequency ticking just starts to sound. If the knob is already rotated too far to the (+), the alarm will sound a false alarm once the warm-up process is complete. In this case, rotate the knob toward the (-) until the first LED is lit or about to be lit to correct sensitivity.

3. Trace the sensor around the source of the suspected leakage. The detector will produce an increasing frequency ticking tone when gas is detected at increasing concentrations. A decreased tone occurs when gas concentration changes from high to low. Also, the 6 gas level indicators will change accordingly.

4. You can rotate the sensitivity dial toward (-) to reset to a lower sensitivity level to allow localization of any leak. You will notice a slowdown of the ticking rate and turning off of corresponding gas level indicators.

5. Red low battery indicator will be illuminated when only 0.5 hours of operation time is left; replace batteries when possible.

Combustible Gas

The following is a partial list of detectable combustible gases: Natural gas, Propane, Gasoline, Butane, Spraying Fuel, Methane, Ethanol, Ethers, Rubbing Alcohol (Isopropyl alcohol or Propanol), Ammonia, Naphtha.

The device can be used in oil production, smelting, chemical production, sewage treatment, coal gas extraction, mining, tunnel construction, storage, brewing, pharmaceutical and other industries that may require localization of gas leaks.

Maintenance and Storage

1. Because the detector does not require periodic calibration, very little maintenance or repair is required to maintain the detector in working condition. Be sure to adjust sensitivity prior to each use to avoid false alarms or reduced sensitivity. Check detector with test gas to verify continued operation.
2. If the device has not been used for long time (>1-2 months), we recommend using new batteries. Turn on device and let it warm up for several minutes.
3. Wipe the detector only with a damp cloth as needed. Do not apply abrasive solvents or other cleaners to the surface of the detector or sensors.
4. The detector is not waterproof; do not contact the sensor with water.
5. This product should not be stored or used in the environments below:
 - a. Humid or dusty environments
 - b. Environments with caustic gases or sulfur dioxide
 - c. High temperature, high humidity or strong direct sunlight.
6. Turn the detector off when not in use. Remove batteries before long-term storage.

Warranty

Manufacturer's warranty is one year, but visit our website and register your purchase information to apply for **"1-year Extended Warranty"** that starts at time of purchase for a two years warranty. Yeezou's liability and buyer's remedy under this warranty are limited to the repair or replacement of the device.

Our company does not undertake any responsibility for the warranty when any of the following circumstances occur:

1. Failure to use the product in accordance with the instructions contained within this manual;
2. Damage due to insertion of incorrect batteries or opening the housing without permission;
3. Damage due to usage with water, strong mechanical force or in any environment that does not conform with the above specifications;
4. Any other damage caused by improper usage.
5. Use after modification or alteration of internal components or for use other than for gas leak detection.

Thanks very much for choosing our products and service. If have any unpleasant experience, don't hesitate to contact us by E-mail and we will try best to resolve before poor reviews. Best Wishes.

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who help improve the manual and product*